

## Fact Sheet: ALPHA™ Circulator

**PRODUCT:** The ALPHA, a 115-volt circulator for hydronic heating applications in residential and light commercial applications.

### KEY FEATURES:

- **Permanent magnet motor design** that will avoid motor slippage problems common to induction-type motors, while delivering a starting torque four times higher than a standard induction motor.
- **AUTO<sup>ADAPT</sup>™ function** automatically modulates circulator performance to match ever-changing system demand, cutting power consumption by a minimum of 50%, as compared with other circulators in its class.
- **Compact design:** ALPHA is currently the most compact circulator offered by Grundfos. Rather than being bolted on, its sophisticated electronics are fully integrated within the motor, simplifying installation in tight spaces.
- **Easy-to-read LED** (light-emitting diode) display offers a range of unique, user-friendly features:
  - > Large, real-time display alternates readings between energy consumption (Watts) and estimated flow rate in gallons per minute (GPM).
  - > One-touch, button-type interface permits the user to toggle quickly and easily among seven different hydraulic operating modes: three fixed speeds, three levels of constant pressure, and one automatic setting — the Auto<sup>ADAPT</sup>.
- **Plug-and-play convenience:** Six-foot-long ALPHA Plug connects the circulator to a wall outlet, with no wiring required, eliminating the need to open a terminal box to make electrical connections.
- **Installer-friendly pipe connections:** Standard two-bolt flange with a built-in nut-capture feature holds the bolt steady during tightening, so the installer has a free hand to hold the circulator in place.



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### KEY SPECIFICATIONS:

- **Dimensions:** H – 6-1/2 inches (volute); W – 3-13/16 inches; D – 6-3/16
- **Motor:** 115-volt
- **Flow range:** 0 to 21 GPM (gallons per minute)
- **Head range:** 0 to 19 feet.
- **Fluid temperature range:** 36°F to 230°F
- **Maximum working pressure:** 150 PSI (pounds per square inch)

For more information on ALPHA, visit [poweredby.grundfos.com](http://poweredby.grundfos.com)

For editorial assistance, contact John O'Reilly c/o LNC Communications LLC at (815) 469-9100; e-mail: [John@LNCmail.com](mailto:John@LNCmail.com)